

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001797

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02J 7/00, H02J 7/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6275004 B1 (GORO TAMAI ET AL), 14 August 2001 (14.08.2001), column 2, line 14 - line 59; column 6, line 12 - column 7, line 24 --	1,6-12
A	US 6046573 A (BO WIKSTRÖM), 4 April 2000 (04.04.2000), column 2, line 6 - line 56 --	1-12
A	US 5656920 A (JING-YIH CHERNG ET AL), 12 August 1997 (12.08.1997), column 4, line 16 - line 55 -- -----	1-12

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

21 February 2005

Date of mailing of the international search report

08-03-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Irma Bornhede/MN
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SE 2004/001797

US	6275004	B1	14/08/2001	DE	10144017 A	16/05/2002
US	6046573	A	04/04/2000	AT	198684 T	15/01/2001
				AU	7511896 A	22/05/1997
				CA	2235799 A	09/05/1997
				CN	1080017 B,C	27/02/2002
				CN	1201562 A	09/12/1998
				DE	69611538 D,T	07/06/2001
				DK	858689 T	29/01/2001
				EP	0858689 A,B	19/08/1998
				ES	2153130 T	16/02/2001
				HK	1017510 A	00/00/0000
				JP	11514832 T	14/12/1999
				PL	181834 B	28/09/2001
				PL	326385 A	14/09/1998
				PT	858689 T	29/06/2001
				SE	507339 C	18/05/1998
				SE	9503861 A	01/05/1997
				WO	9716879 A	09/05/1997
				CN	1125949 B,C	29/10/2003
				CN	1182182 A	20/05/1998
				JP	2000508749 T	11/07/2000
				SE	9601390 A	13/10/1997
				WO	9739278 A	23/10/1997
US	5656920	A	12/08/1997	AU	669389 B	06/06/1996
				AU	4885193 A	28/04/1994
				BE	1008147 A	30/01/1996
				CA	2107988 A	14/04/1994
				EP	0593196 A	20/04/1994
				JP	6203875 A	22/07/1994
				US	5469043 A	21/11/1995